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Project URL

[INSERT PROJECT URL]

What is IUDIY?

IUDIY caters to individuals who menstruate, typically falling within the age range of 13-58 and using a form of birth control or contraception. If you're seeking a tailored recommendation and a convenient way to monitor your symptoms, our platform is here for you. We understand the frustration of receiving the same medications despite distinct symptoms and medical backgrounds, resulting in millions facing daily challenges. Our solution involves utilizing algorithms to generate personalized suggestions based on your medical history and contraception preferences, thereby reducing the risk of side effects.

Our goal is to empower each user to discover their ideal prescription match. We envision our users utilizing the app to initiate important discussions with their healthcare providers, ensuring they are well-informed about the array of contraceptive options available and, in turn, minimizing the likelihood of side effects.

Installation Requirements

This project is designed to be used for iOS platforms. Specifically, targets the most recent version of iPhone. To run the project, one should run the following steps:

1. Download and unzip the project (.zip file) from Github.
2. Download Expo.
3. Open terminal and navigate to file unzip location in VS Studio or preferred text editor.
4. Enter “npm install” into the terminal to install missing dependencies.
5. Enter “expo start” to begin the app.

Operating Instructions

Sign up and Log in

- Welcome to IUDIY! To sign up, press the dark blue button. To log in, press the text below the button.
- On the sign up page, fill in your name, email, and password. Press the “Sign Up” button to enter the app.
- On the log in, fill in your email and password. Press the “Log In” button to enter the app.

Home Page

- First screen after logging in
- Has reminder to take medication at a certain time
- Ability to bring users to symptom log (log symptom clickable)

Symptom Log

- Select symptoms the user is currently experiencing
- Submit daily symptom log
- View symptoms from previous days

Profile Page

- View personal and family history

Navigation Bar (bottom of screen)

- Home (far left home icon):
    - Bring user to home page
- Symptom Log (center left calendar icon):
    - Bring user to the symptom log page
- Prescriptions (center right plus icon):
    - Bring user to prescription page
- Profile (far right user icon):
    - Bring user to the profile page

Prescriptions Page

- View current treatment plan
- Ability to bring user to where to find treatment map
- Ability to take users to page to get new treatment recommendation
- Access to home and symptom log nav buttons

Map (navigable from the prescriptions page)

- See nearby pharmacies with your prescription.
- Choose a pinned pharmacy to view information about its location.

Change Current Prescription (navigable from the prescriptions page)

- Fill out new preferences for medication.
- Get a new recommendation for treatment based on preferences.

Tools Used

- Figma was used to design the flow of the app.
- Our app was coded in React Native using Expo.
- GitHub allowed for ease of code sharing.
- VS Studio facilitated ease of coding and collaboration.

Limitations of Implementations

Unfortunately due to limitations on time, we were unable to implement a full algorithm which takes in a users preferences and outputs a unique recommendation right for the user. Thus, the app ended up having one hard-coded contraception recommendation no matter what the daily check-in and preferences. Thus, the authenticity of contraception locations, and of personalized prescription based on the questionnaires were not able to be accurate due to the lack of time for research.

Furthermore, the profile page was not completely built out, and does not support an ability to update information about medical and family history, which would potentially alter the prescription recommended for users. This feature was not immediately necessary for the major task flows were identified so in the interest of time we did not include this hi-fi prototype.

Finally, the count-down for when to take your contraception, plus notifications of when to take your contraception were not implemented either. These implementations will ensure all users remember to take their contraceptive to maximize efficacy of medication.